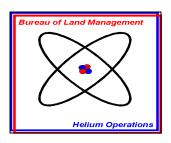
Bureau of Land Management



Amarillo Field Office Helium Operations

Statistical Report for February - 2002





Distribution:

Fluid Minerals Group Manager, Washington Office New Mexico State Director Associate State Director Petroleum Engineer Field Manager, Amarillo Field Office Division Chiefs (3)

Team Leaders

- -Federal Leased Lands
- -Gas Analysis
- -Resources Evaluation
- -Natural Gas Engineering

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Amarillo, Texas

Issued: April 19, 2002

* Revised *

*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.

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Approved for distribution: Nelson R. Bullard /s/ Date: 03/19/2002

Table 1 - Summary of Helium Operations

February - 2002

| In Kind Sales | NASA* | Navy* | Army* | Air Force* | DOE* | Other Fed* | Subtotal* | In Kind | Charges Billed (\$)** | |
|--------------------|--------|-------|-------|------------|--------|------------|-----------|---------|-----------------------|-------------|
| Total month | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$0 |
| Total FYTD | 51,397 | 467 | 0 | 9,224 | 10,219 | 8,243 | 79,551 | 78,318 | | \$3,905,993 |
| Total CYTD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$0 |
| In Kind Transfers | | | | | | | Month | FYTD | CYTD | Cumulative |
| Transferred | | | | | | | 38,448 | 102,212 | 38,448 | 820,702 |
| Volume outstanding | | | | | | | 39,870 | | | |

| | [] | Month | | Month | FYTD | Month | FYTD | FYTD | CYTD | Cumulative |
|---|-----------------------|-------------------|-----------|----------------------|-------|---------------------|-------|---------------------|-----------|-------------|
| Purchased Helium | Helium-Gas Mixture | Helium Percent | Helium | Low Purity Helium | | Below 50% Helium | | Contained Helium | | |
| Total purchased | | | | | | | | | | 32,176,145 |
| Purchased helium produced / transferred | | | 38,448 | | | | | 102,212 | 38,448 | 2,806,042 |
| Balance of purchased helium in storage | | | | | | | | | | 29,370,103 |
| Private Plant Activity | | | | | | | | | | |
| Accepted in storage system | 71,191 | 68.26% | 48,598 | 450 | 3,705 | (357 | (904) | 287,069 | 105,309 | 6,822,948 |
| Redelivered from storage system | (251,918) | 68.79% | (173,295) | 0 | 0 | 3 | 129 | (832,447) | (312,098) | (8,465,750) |
| Total apparent crude produced^ | 186,287 | 70.01% | 130,412 | | | | | 670,151 | 261,297 | NA |
| Total apparent crude refined^ | (317,403) | 69.52% | (220,671) | | | | | (1,060,090) | (406,852) | NA |

| | Metered Gas | | | | | Transferred Gas | | Stored | Charges Billed | |
|----------------------------------|-------------|-----------|-----------|-----------|------------|-----------------|------------|-----------|----------------|-----------|
| | Gross Gas | Helium | | Helium | | Н | elium | Helium | Dolla | ars** |
| Storage Contract Activity | Mon | ıth | FYTD | CYTD | Cumulative | Month | Cumulative | EOM | Month | FYTD |
| Crude Acquired | 70,024 | 48,241 | 286,165 | 104,754 | 24,199,375 | 99,266 | 24,176,966 | | | |
| Crude Disposed | 251,907 | 173,292 | 832,318 | 312,065 | 20,291,466 | 60,818 | 23,355,995 | | | |
| Grade-A Rdlvrd | 0 | 0 | 0 | 0 | 1,427,554 | 0 | 0 | | | |
| Net/Balance | (181,883) | (125,051) | (546,153) | (207,311) | 2,480,355 | 38,448 | 820,971 | 2,607,480 | \$291,418 | \$995,056 |

| Bush Dome Reservoir Operations | Month | | Fiscal Year | | Since Sta | art of | Since | |
|--|-------------|------------|-------------|------------|--------------|------------|-----------------|------------|
| | | | | | Conservation | Program | Field Discovery | |
| Conservation gases from all sources | Gross | Net | Gross | Net | Gross | Net | Gross | Net |
| In underground storage, beg. of period | 44,464,070 | 32,065,207 | 45,066,384 | 32,502,687 | 490,620 | 490,620 | 0 | 0 |
| Net Activity | (167,142) | (122,216) | (769,456) | (559,696) | 43,806,308 | 31,452,371 | 44,296,928 | 31,942,991 |
| Total in underground storage | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 |
| Native Gas | | | | | | | | |
| Total in place, beg. of period | 208,829,915 | | 208,866,427 | | 265,724,755 | | 318,727,000 | |
| Net Activity | (12,944) | | | | | | | |
| Total in place, end of month | 208,816,971 | | | | | | | |
| Native Gas plus Conservation Gases | | | | | | | | |
| Total gases in place, beg. of period | 253,293,985 | | 253,932,811 | | 266,215,375 | | 318,727,000 | |
| Net Activity | (180,086) | | (818,912) | | (13,101,476) | | (65,613,101) | |
| Total gases in place, end of month | 253,113,899 | | 253,113,899 | | 253,113,899 | | 253,113,899 | |

| Helium Resources Evaluation | | | Month | | FYTD | |
|--|-------------|----------|-----------|---|-------------|---|
| Revenue Collected from Federal Lease Holds | | | \$436,486 | | \$2,069,329 | |
| Helium Sample Collection Report | Submitted | 0 | Received | 1 | Analyzed | 1 |
| Estimated U.S. Helium Reserves | 323,000,000 | | • | | , | |
| Customer Comment Cards Mailed | | — | Month | 0 | FYTD | 0 |

^{*} Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & $60^{\circ}F$

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^{**}Rounded to nearest dollar

[^] Other sources of helium are accessed but data are not available

Table 5 - Pipeline & Cliffside Field Operations All Volumes in Mcf at 14.65 psia & 60°F

February - 2002

| 7 AII V ORMINES III IVIC | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---------------|-------------|-------------|------------|--------------|-------------|--------------|------------|
| | | | | | Since S | tart of | Sin | ce |
| | Mo | nth | Fiscal | Year | Conservatio | n Program | Field Di | scovery |
| | Gross | Net | Gross | Net | Gross | Net | Gross | Net |
| Conservation Pipeline | | | | | | | | |
| Beginning of period inventory (1) | 40,690 | 28,483 | 39,161 | 27,413 | 0 | 0 | | |
| Measured to pipeline (2) | 247,839 | 170,984 | 1,220,336 | 847,337 | 106,280,315 | 76,016,164 | | |
| Measured from pipeline (3) | 251,918 | 173,296 | 1,204,135 | 832,452 | 40,594,969 | 29,048,413 | | |
| Measured into Bush Dome (4) | 0 | 0 | 0 | 0 | 64,353,584 | 46,235,012 | | |
| Calculated inventory (1+2-3-4) | 36,611 | 26,171 | 55,362 | 42,298 | 1,331,762 | 732,739 | | |
| End of period inventory | 38,117 | 26,682 | 38,117 | 26,682 | 38,117 | 26,682 | | |
| Line gain or (loss) | 1,506 | 511 | (17,245) | (15,616) | (1,293,645) | (706,057) | | |
| Percent gain (loss) of total measured | 0.301% | 0.148% | -0.711% | -0.930% | -0.612% | -0.467% | . | |
| Bush Dome Reservoir Operation | ns | | | | | | | |
| Conservation gases from all sources | | | | | | | | |
| In underground storage, beg. of period | 44,464,070 | 32,065,207 | 45,066,384 | 32,502,687 | 490,620 | 490,620 | 0 | 0 |
| Injected during period to date | 0 | 0 | 0 | 0 | 64,353,855 | 46,234,973 | 64,961,755 | 46,842,873 |
| Withdrawn during period to date | 167,142 | 122,216 | 769,456 | 559,696 | 20,593,696 | 14,828,751 | 20,710,976 | 14,946,031 |
| Helium from Exell-Soncy | 0 | 0 | 0 | 0 | 46,149 | 46,149 | 46,149 | 46,149 |
| Total in underground storage | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 | 44,296,928 | 31,942,991 |
| Native Gas | | | | | | | | · |
| Total in place, beg. of period | 208,829,915 | | 208,866,427 | | 265,724,755 | | 318,727,000 | |
| Recoverable in place, beg. of period | 199,778,915 | | 199,815,427 | | 256,673,755 | | 309,676,000 | |
| Production during period to date | 12,944 | | 49,456 | | 56,907,784 | | 109,910,029 | |
| Total in place, end of month | 208,816,971 | | 208,816,971 | | 208,816,971 | | 208,816,971 | |
| Recoverable in place, end of month | 199,765,971 | | 199,765,971 | | 199,765,971 | | 199,765,971 | |
| Native Gas plus Conservation Gases | | | | | | | | |
| Total gases in place, beg. of period | 253,293,985 | | 253,932,811 | | 266,215,375 | | 318,727,000 | |
| Total gases in place, end of month | 253,113,899 | | 253,113,899 | | 253,113,899 | | 253,113,899 | |
| Change during period | (180,086) | | (818,912) | | (13,101,476) | | (65,613,101) | |
| Ave. reservoir pressure, beg. of period | 664.4 | Γ | 666.3 | İ | 685.0 | İ | 814.1 | |
| рессия рессия до до се рессия | | ļ | | | <u> </u> | | | |
| Tuck Trigg Reservoir Operation | ns | | | | | | | |
| Native Gas | | | | | | | | |
| Total in place, beg. of period | 5,206,471 | | 5,206,471 | | | | 5,890,000 | |
| Recoverable in place, beg. of period | 4,536,471 | | 4,536,471 | | | | 5,220,000 | |
| Production during period to date | 0 | | 0 | | | | 683,529 | |
| Total in place, end of month | 5,206,471 | | 5,206,471 | | | | 5,206,471 | |
| Recoverable in place, end of month | 4,536,471 | | 4,536,471 | | | | 4,536,471 | |
| Ave. reservoir pressure, beg. of period | 484.4 | [| 484.4 | | | | 548.0 | |
| Natural Gas Sales | | | Tot | als | Rever | iue \$ | Cumulative | |
| Compressor Operation | | | Month | FYTD | Month | FYTD | 12/01/2000 | |
| February - 2002 NGI Mainline Spot Ga | as Fuel Price | per/MMBTU | \$1.97 | | | | | |
| Amount of Fuel used for the month | | total MMBTU | 2,546.40 | 13,341.90 | | | 39,255.73 | |
| Natural Gas Purchased for Fuel | | \$dollars | | | \$5,016.41 | \$29,091.60 | \$140,832.67 | |
| #1 Compressor | | hours run | 391 | 2,368 | | | 8,358 | |
| #2 Compressor | | hours run | 185 | 835 | | | 835 | |
| #3 Compressor | | hours run | 90 | 335 | | | 335 | |